

ABSTRACT OF THE DISCLOSURE

5 An improved method and apparatus permits the insertion and removal of an electronic monitoring device from a tire, while securing the electronic monitoring device to the tire so that stress, strain, impact, cyclic fatigue and vibration are minimized. After a rubber patch is vulcanized, the patch is permanently assembled to the innerliner of a vulcanized tire by affixing it to the tire innerliner. An electronic monitoring device, after having been encapsulated in a suitable rigid potting material to form a rigid tag, is fitted with a power source to form a tag assembly in a shape which allows for insertion into a cavity in the patch. The tag is carefully inserted into the cavity housing. The tag assembly is locked into place within the cavity using a suitable removable locking device.